

# PATENT ABSTRACTS OF JAPAN

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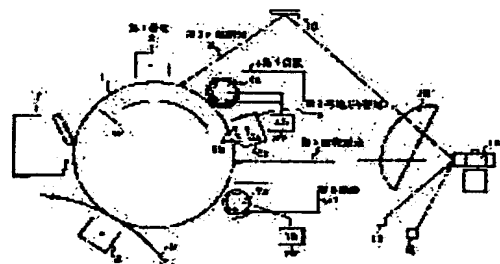
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## (54) MULTICOLOR IMAGE FORMING DEVICE

### (57)Abstract:

**PROBLEM TO BE SOLVED:** To prevent color mixture from being caused and to prevent first-color developing toner from being mixed in a second and subsequent developing means by discharging the first-color developing toner mixed in the developing means of the second color from the developing means of the second color by developing it.

**SOLUTION:** The toner mixed in the second developing unit 7 of a back stage is efficiently reversely developed without being mixed and discharged from the unit 7. Then, difference between the potential of a developing sleeve and the re-electrifying potential of a second developing time by the unit 7 (potential for eliminating developing fog) is set to be wider than the potential for eliminating developing fog used at the first developing time of a front stage. The first toner mixed in the unit 7 is mixed in the second toner and reversely made positive. Then, the first toner made positive by the potential for eliminating developing fog at the second developing time can be discharged by being reversely developed. Besides, the second developing action can be executed by efficiently discharging the first toner by widening the potential for eliminating developing fog.



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